

ABSTRACT

A three-action lock barrel having collective locking pins and two-way locking up mechanism is comprised of a case, a limiter, multiple locking plates and a rotor; the case being related to a hollow cylinder; a trough axially extending each from the inner wall of the case; the limiter being provided to limit the longitudinal sliding movement of those multiple locking plates arranged in flush and abutted to one another and accommodated inside the limiter; each locking plate being provided with an upper or a lower locking pin selected at random; the rotor receiving insertion of a key; the key turns around to push those locking pins to clear away or insert into a groove.